10320 Camino Santa Fe, Suite G
San Diego, CA 92121
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ADRA1D Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20589a

Specification

ADRA1D Antibody (N-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P25100
Reactivity	**Human, Rat**
Predicted	**Mouse, Rabbit, Bovine, Dog, Sheep**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**1-30**

ADRA1D Antibody (N-term) - Additional Information

Gene ID 146

Other Names
Alpha-1D adrenergic receptor, Alpha-1A adrenergic receptor, Alpha-1D adrenoreceptor, Alpha-1D adrenoceptor, Alpha-adrenergic receptor 1a, ADRA1D, ADRA1A

Target/Specificity
This ADRA1D antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1-30amino acids from the N-terminal region of human ADRA1D.

Dilution
WB~~1:1000
IHC-P~~1:25
FC~~1:25
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ADRA1D Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ADRA1D Antibody (N-term) - Protein Information

Name ADRA1D

Synonyms ADRA1A

Function This alpha-adrenergic receptor mediates its effect through the influx of extracellular calcium.

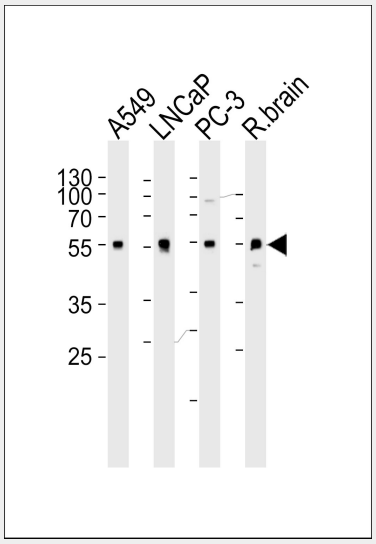
Cellular Location
Cell membrane; Multi-pass membrane protein.

ADRA1D Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ADRA1D Antibody (N-term) - Images



Western blot analysis of lysates from A549, LNCaP, PC-3 cell line and rat brain tissue lysate (from left to right), using ADRA1D Antibody (N-term) (Cat. #AP20589a). AP20589a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

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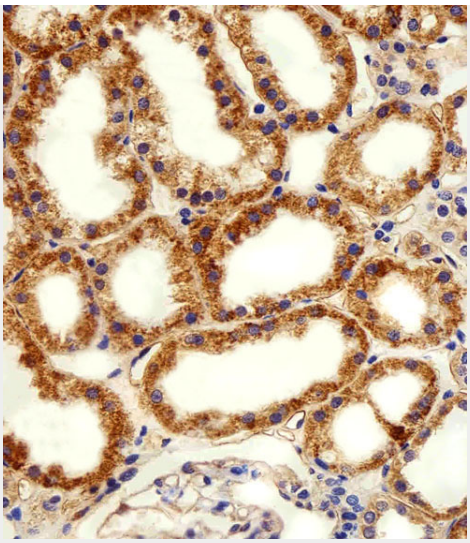
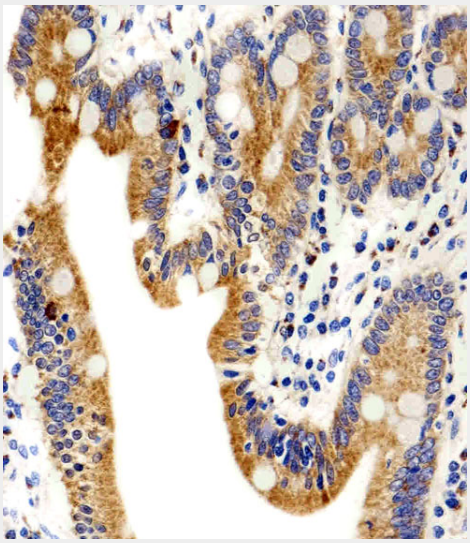


Immunohistochemical analysis of paraffin-embedded H. kidney section using ADRA1D Antibody (N-term)(Cat#AP20589a). AP20589a was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Immunohistochemical analysis of paraffin-embedded H. small intestine section using ADRA1D Antibody (N-term)(Cat#AP20589a). AP20589a was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.

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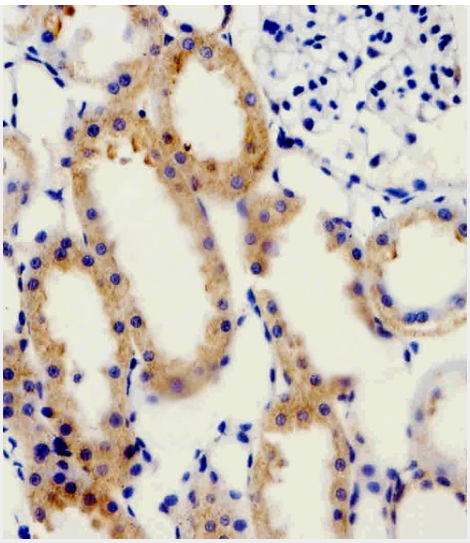
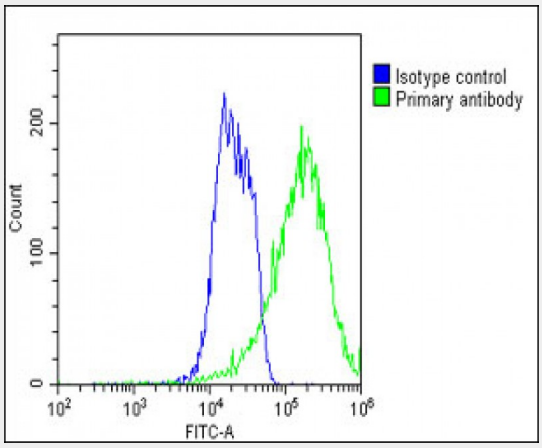


Immunohistochemical analysis of paraffin-embedded R. kidney section using ADRA1D Antibody (N-term)(Cat#AP20589a). AP20589a was diluted at 1:100 dilution. A peroxidase-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Overlay histogram showing MCF-7 cells stained with AP20589a(green line). The cells were fixed with 2% paraformaldehyde 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP20589a, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(1583138) at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

ADRA1D Antibody (N-term) - Background

This alpha-adrenergic receptor mediates its effect through the influx of extracellular calcium.

ADRA1D Antibody (N-term) - References

Bruno J.F.,et al.Biochem. Biophys. Res. Commun. 179:1485-1490(1991).
Forray C.,et al.Mol. Pharmacol. 45:703-708(1994).
Schwinn D.A.,et al.J. Pharmacol. Exp. Ther. 272:134-142(1995).
Weinberg D.H.,et al.Biochem. Biophys. Res. Commun. 201:1296-1304(1994).
Esbenshade T.A.,et al.Mol. Pharmacol. 47:977-985(1995).

ADRA1D Antibody (N-term) - Citations

- Bim, Puma and Noxa upregulation by Naftopidil sensitizes ovarian cancer to the BH3-mimetic ABT-737 and the MEK inhibitor Trametinib